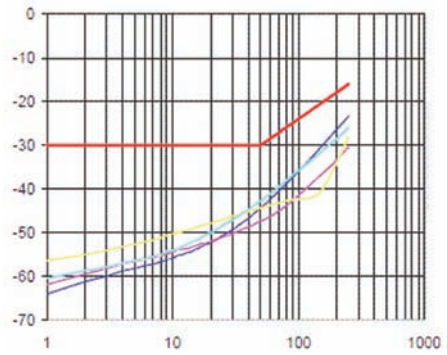
Category 6E Shielded RJ-45 Keystone Jacks

Transmission and Electrical Specifications

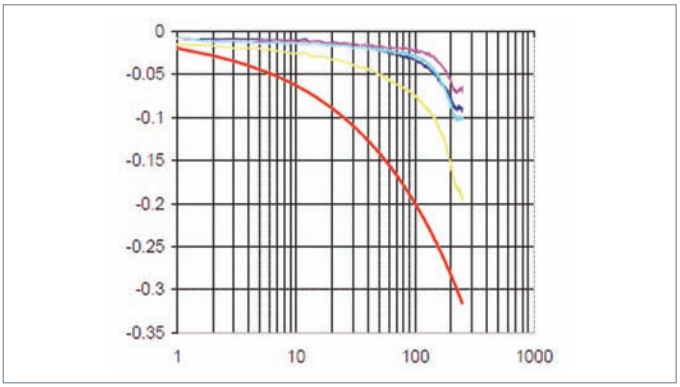
FREQ.	Insertion Loss	NEXT	FEXT	RL
MHz	dB	dB	dB	dB
	Max	Min	Min	Min
1.00	0.02	85.0	84.0	53.0
4.00	0.02	81.0	75.0	54.0
8.00	0.02	78.0	70.0	56.0
10.00	0.03	77.0	68.0	57.0
16.00	0.03	73.0	58.0	58.0
25.00	0.04	70.0	60.1	60.0
31.25	0.04	68.0	59.0	57.0
62.50	0.05	64.0	53.0	44.0
100.00	0.06	60.0	49.0	34.0
200.00	0.06	55.0	43.0	23.0
250.00	0.08	52.0	41.0	20.0

Typical De-Embedded Return-Loss

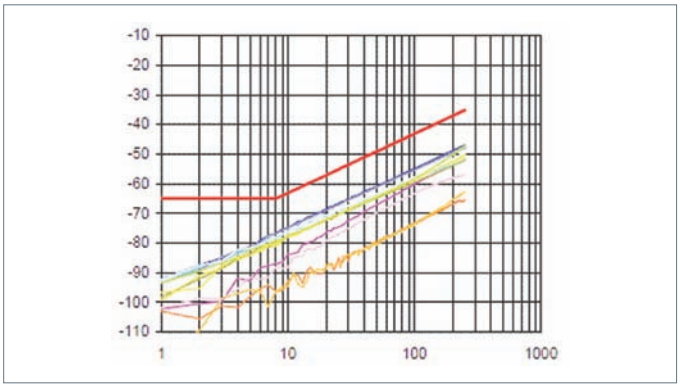


Propagation Delay	2.5 nS max @ 1-250 MHz
Propagation Delay Skew	1.25 nS max @ 1-250 MHz
Current rating	1.5 A max.
Contact resistance	20 mOhm max (per contact)
Input/Output resistance	200 mOhm max
Input/Output resistance unbalance	50 mOhm max
Voltage rating	72 Vdc max
Dielectric strength	1000 Volts rms for 1 minute
Insulation Resistance	500 MegaOhm min @ 500 Vdc
DC Resistance	0.1 Ohm max @ 20C
TCL	28-20·Log(f/100) dB min @ 1-250 MHz
Transfer Impedance	0.1 Ohm @ 1 MHz, 0.2 Ohm @ 10 MHz, 1.6 Ohm @ 80 MHz max.

Typical De-Embedded Insertion-Loss



Typical De-Embedded FEXT-Loss



Ordering Information

HCS P/N	Description	Blocks	T568
J6E-00821	8P8C RJ-45 Shielded Keystone Jack CAT 6E	110 IDC	B
J6E-00822	8P8C RJ-45 Shielded Keystone Jack CAT 6E	110 IDC	A
J6E-00823	8P8C RJ-45 Shielded Keystone Jack CAT 6E	110 IDC	UNI